

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-22 canceled.

23. (Currently amended) A photopolymerizable dental restorative material comprising: particles of filler; first monomers having thiol functional groups; second monomers having vinyl functional groups; and an initiator selected from camphorquinone and 2,2-dimethoxy-2-phenylacetophenone; wherein at least about 10% of the functional groups in the dental restorative material are thiol functional groups.

24. (Previously Amended) The photopolymerizable dental restorative material of claim 23, wherein at least about 15% to about 60% of the functional groups in the dental restorative material are thiol functional groups.

25. (Previously Amended) The photopolymerizable dental restorative material of claim 23, wherein at least about 45% to about 55% of the functional groups in the dental restorative material are thiol functional groups.

Claims 26-28 canceled.

29. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized exhibits a volume shrinkage of less than 10%.

30. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having an average weight loss, when dried, of 0.4 to 0.6% relative to an original mass before extraction.

Claim 31 canceled.

32. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having a shrinkage stress of less than 3.0 MPa.

33. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having a shrinkage stress of less than 1.5 MPa.

34. (Original) The photopolymerizable dental restorative material of claim 23 that when polymerized creates a polymer having a shrinkage stress of less than 0.5 MPa.

Claims 35-43 canceled.

44. (Currently amended) The photopolymerizable dental restorative material of claim 23, which is curable with visible light, wherein the initiator is ~~selected from camphorquinone, 2,2-dimethoxy-2-phenylacetophenone and ethyl 4-(dimethylamino)benzoate, and wherein, upon exposure to visible light, the material cures without oxygen inhibition.~~

45. (New) The photopolymerizable dental restorative material of claim 44, further comprising an amine accelerator.

46. (New) The photopolymerizable dental restorative material of claim 45, wherein the amine accelerator is ethyl 4-(dimethylamino)benzoate.

47. (New) The photopolymerizable dental restorative material of claim 23, which is curable with ultraviolet-light, wherein the initiator is 2,2-dimethoxy-2-phenylacetophenone.